

STATEMENT OF QUALIFICATIONS

Name of Lab: Scientific Crime Detection Laboratory
5500 E. Tudor Road
Anchorage, AK 99507

Date: June 4, 2009

Name: Kristin L. Vaona (Baron)

Job Title: Forensic Scientist II

Discipline(s): Indicate all areas in which you do casework.

Forensic Biological Screening

Education: List all higher academic institutions attended.

Institution	Dates attended	Major	Degree completed
Utah State University Logan, UT	2001-2004	Biochemistry	----
Arizona State University Phoenix, AZ	2000-2001	Chemistry	----
Northern Arizona University Flagstaff, AZ	1992-1995	Biology	M.A.T.
Northern Arizona University Flagstaff, AZ	1988-1992	Chemistry Microbiology	B.S. B.S.

Other Training: List continuing education, workshops, in-service and other formal training received.

June 2009	<u>Hair Evaluation for DNA Analysis</u> , Robin T. Bowen, WVU (10 hours).
February 2009	<u>Biological Screening Training</u> , Scientific Crime Detection Laboratory, Anchorage, AK (8 months).
October 2008	<u>Bloodstain Pattern Interpretation for DNA Analysts</u> , Michael J. Van Stratton and Kevin R. Winer, Des Moines, IA (8 hours).
September 2008	<u>ASCLD/LAB-International</u> , Anja Einseln, Des Moines, IA (8 hours).
September 2008	<u>Integrity, Character, and Ethics in Forensic Science</u> , Dan B. Gunnell and Bill Demuth, Des Moines, IA (8 hours).
September 2008	<u>Practical Homicide Investigation</u> , Vernon J. Geberth, Anchorage, AK (24 hours).
July 2008	<u>Courtroom Testimony Techniques</u> , Ron Smith, SCDL Anchorage, AK (16 hours).
June 2006	<u>Biological Screening Training</u> , Central Regional Crime Laboratory, Phoenix, AZ (6 months).
May 2006	<u>Interpretation and Statistics – Mixtures</u> , Dr. Bruce Budowle, DPS CRCL Phoenix, AZ (8 hours).

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March 2006	<u>Applied Biosystems 2006 Future Trends in Forensic DNA Technology</u> , Applied Biosystems, DPS CRCL Phoenix, AZ (8 hours).
January 2006	<u>DNA Mixture Interpretation</u> , George Carmody and Ray Wickenheiser, DPS CRCL Phoenix, AZ (24 hours).
January 2006	<u>Statistical Analysis of Forensic DNA Evidence</u> , George Carmody, DPS CRCL Phoenix, AZ (16 hours).

Courtroom Experience: List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

Forensic Biological Screening (I have not yet testified in any discipline)

Professional Affiliations: List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

none

Employment History:

List all scientific or technical positions held, particularly those related to forensic sciences. List current position first. Give a brief summary of principal duties and tenure in each position.

- (1) Job Title: Forensic Scientist I - II
 Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory
 Anchorage, Alaska
 Principal Duties: Perform scientific techniques in the identification of body fluids, i.e., blood and semen.
 Tenure: 05/2008 - present

- (2) Job Title: Associate Criminalist
 Employer: Arizona Department of Public Safety Crime Laboratory
 Phoenix, Arizona
 Principal Duties: Perform scientific techniques in the identification of body fluids, i.e., blood, semen, and saliva; peer review of casework; and prepare written reports.
 Tenure: 01/2006 – 08/2006

- (3) Job Title: Senior Analyst
 Employer: Salt Lake City Corporation, Dept. of Public Utilities
 Salt Lake City, Utah
 Principal Duties: Perform analytical and microbiological testing on culinary water and hazardous wastewater samples. Prepare statistical information for compliance reports. Calibrate, operate, and perform routine maintenance on a variety of laboratory instruments.
 Tenure: 06/2004 – 07/2005

- (4) Job Title: Research/Teaching Assistant
 Employer: Utah State University
 Logan, Utah
 Principal Duties: Education and research in metalloenzymes and their reaction mechanisms in protein maturation. Assist in instruction for undergraduate General Chemistry.
 Tenure: 08/2001 – 05/2004

- (5) Job Title: Graduate Assistant
 Employer: Arizona State University
 Phoenix, Arizona
 Principal Duties: Education and research in 'Separation Science.'
 Tenure: 08/2000 – 07/2001

- (6) Job Title: Teacher
 Employer: Stockdale High School
 Bakersfield, California
 Principal Duties: Instruct 10th grade Medical Biology and 12th grade Advanced Placement Biology.
 Tenure: 08/1997 – 05/2000

- (7) Job Title: Teacher
 Employer: Sinagua High School
 Flagstaff, Arizona
 Principal Duties: Instruct 9th and 10th grade Earth Science
 Tenure: 08/1996 – 05/1997

- (8) Job Title: Instructor
 Employer: Northern Arizona University
 Flagstaff, Arizona
 Principal Duties: Instruct science education course (SCI 350) for pre-service teachers.
 Tenure: Fall Semester 1996

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- (9) Job Title: Substitute Teacher
Employer: Flagstaff Unified School District
Flagstaff, Arizona
Principal Duties: Instruct grades 7-12 with daily and long-term assignments in Math and Science classes.
Tenure: 09/1995 – 05/1996
- (10) Job Title: Laboratory Technician
Employer: Northern Arizona University
Flagstaff, Arizona
Principal Duties: Organize and prepare media/materials for undergraduate laboratory courses.
Tenure: 06/1995 – 06/1996
- (11) Job Title: Research/Teaching Assistant
Employer: Northern Arizona University
Flagstaff, Arizona
Principal Duties: Master's program - research in eukaryote genetics: analysis of *Chlamydomonas* mutants showing altered mating behavior. Instruct introductory microbiology (MBI 220) laboratories.
Tenure: 06/1992 – 08/1995
- (12) Job Title: Undergraduate Research Aide
Employer: Northern Arizona University
Flagstaff, Arizona
Principal Duties: Research project in eukaryote genetics: isolated and analyzed mutants showing altered patterns of sexual growth.
Tenure: 08/1990 – 05/1992

Other Qualifications:

List below any scientific publication and/or presentation you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.

PUBLICATIONS:

VanWinkle-Swift, K., Baron, K., McNamara, A., Minke, P., Burrascano, C., and Maddock, J. **The *Chlamydomonas* Zygospor: Mutant Strains of *Chlamydomonas monoica* Blocked in Zygospor Morphogenesis Comprise 46 Complementation Groups**, Genetics, 1998, 148: 131–138.

Swierczek, S. Baron, K., Mitra, S., Rajagopal, L., and Holz, R. **Isothermal Titration Calorimetry Measurements of Divalent Metal Binding to Dinuclear Metalloproteases**. To be submitted.